

Connecticut Yankee Yankee Rowe

Management Meeting
with the USNRC

June 27, 2000



Agenda

Opening Remarks

Common Organization

Connecticut Yankee Plant Status

Yankee Rowe Plant Status

Worker Concerns Program

Communications

Summary/Concluding Remarks

CY and YR Organizations

- Organization Facilitates Cooperation
- Common Programs and Processes
 - Quality Assurance
 - Worker Concerns
- Promotes Communication of Lessons Learned
 - Decommissioning Oversight
 - ISFSI Implementation
 - License Termination Planning

CY Decommissioning Mission/Goal

- Responsibly Restore Connecticut Yankee for Reuse while Setting the Standard for Decommissioning Excellence in Safety, Fuel Storage, and Work Performance
 - Assure Safe Storage of the Spent Nuclear Fuel
 - Achieve Safety Excellence
 - Ensure High Public and Regulator Confidence
 - Achieve First Time Quality
 - Attain Cost and Schedule Milestones
 - Perform as a Connecticut Yankee/Bechtel Team

Safety Performance

- 1.1 Million Safe Work Hours Without a Lost Time Accident
- Overall Project ALARA Goals on Track
- Low Personnel Contamination Rate
- Shipped 3 Million Pounds of Waste Successfully During Past Year
- Continued Emphasis On Occupational/Radiological Safety

Spent Fuel Pool Island

- Inspected and Categorized 1019 Fuel Assemblies for Dry Cask Storage
- Relocated 32 Fuel Assemblies to Support Sealing of Fuel Transfer Tube
- Completed Switch to Construction Power
 - No Impact on Spent Fuel Pool Island
 - Minimal Impact on Remainder of the Station

Spent Fuel Pool Island

- Completed Fire Detection Upgrade
 - SFPI (Fuel Bldg., EDG & Aux. Equip. Bldg.)
 - Radwaste Reduction Facility
- Relocated Emergency Response Organization From EOF to Control Room
- Staffing Changes

CY Oversight

- Risk Based Assessments
- Assessments Conducted to Date ~450
- Bechtel Strengths/Areas for Improvement

Strengths

Occupational Safety

Nuclear Safety

Corrective Actions

Improvement Areas

Strategic Planning

Radiation Dose Reduction

Detailed Work Planning

Environmental Program

- Oversight Self Assessment

Decommissioning Update

- Bechtel Organization Enhancements
- Improvement Initiatives
 - Strategic Planning
 - Radiation Dose Reduction
 - Detailed Work Planning
 - Environmental Program

Decommissioning Update

Ongoing Activities

- Segmentation of the Reactor Vessel Internals
- Removed Major Components from Containment Except Reactor Vessel
- Removed Incore Thimbles
- Shipping Radwaste
- License Termination Plan

Decommissioning Update

Long-Term Planning

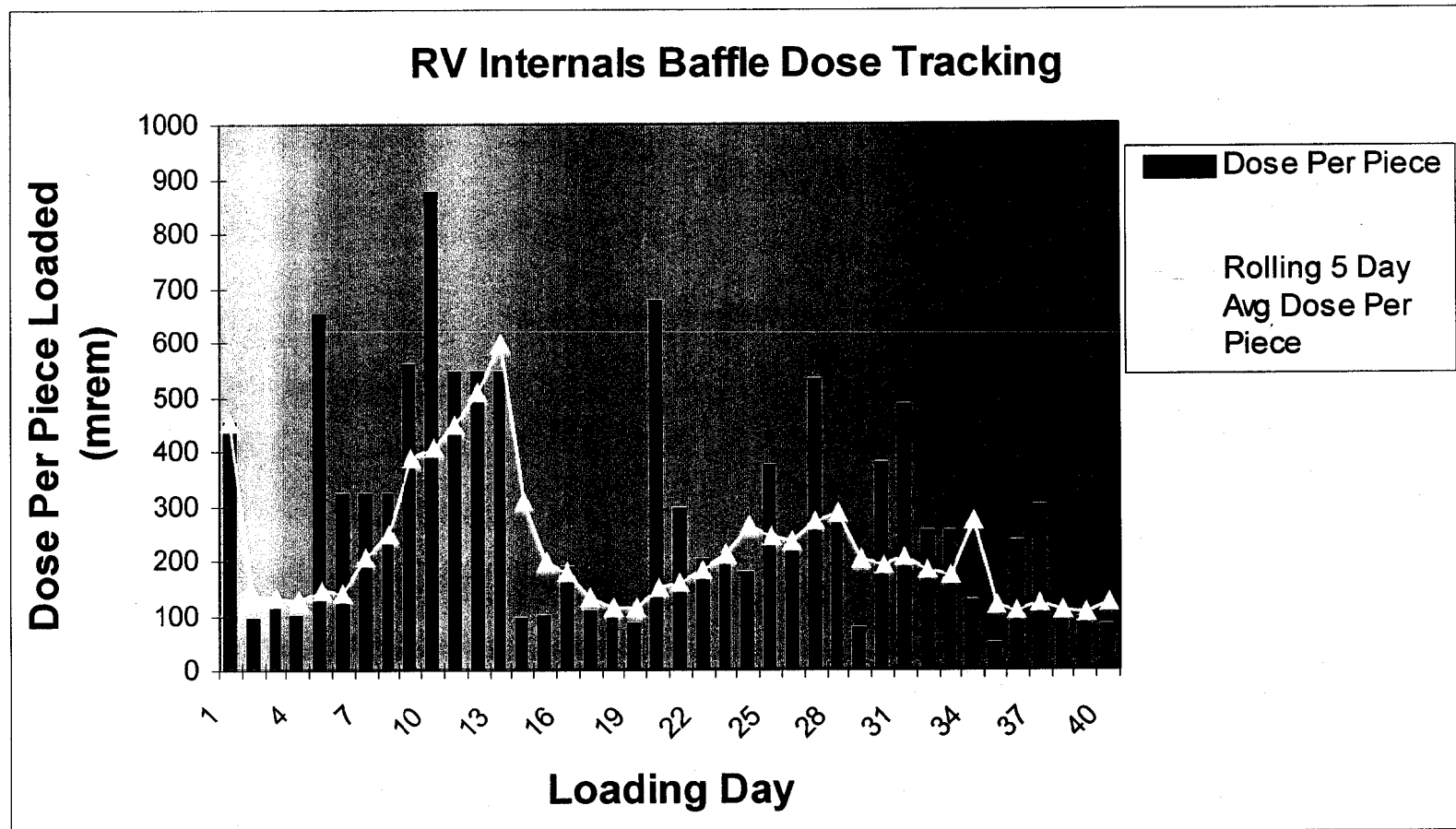
- Reactor Vessel Head Disassembly
- GTCC Transfer to Spent Fuel Pool
- SFP Building Isolation
- Reactor Cavity Drain and Decon
- Steam Generator, Pressurizer and RCP Shipments
- Reactor Vessel Shipment
- Final Status Survey Implementation and Environmental Closure Plan
- Total Project Schedule Update, Resource Loaded
- Independent Spent Fuel Storage Installation

Decommissioning Update

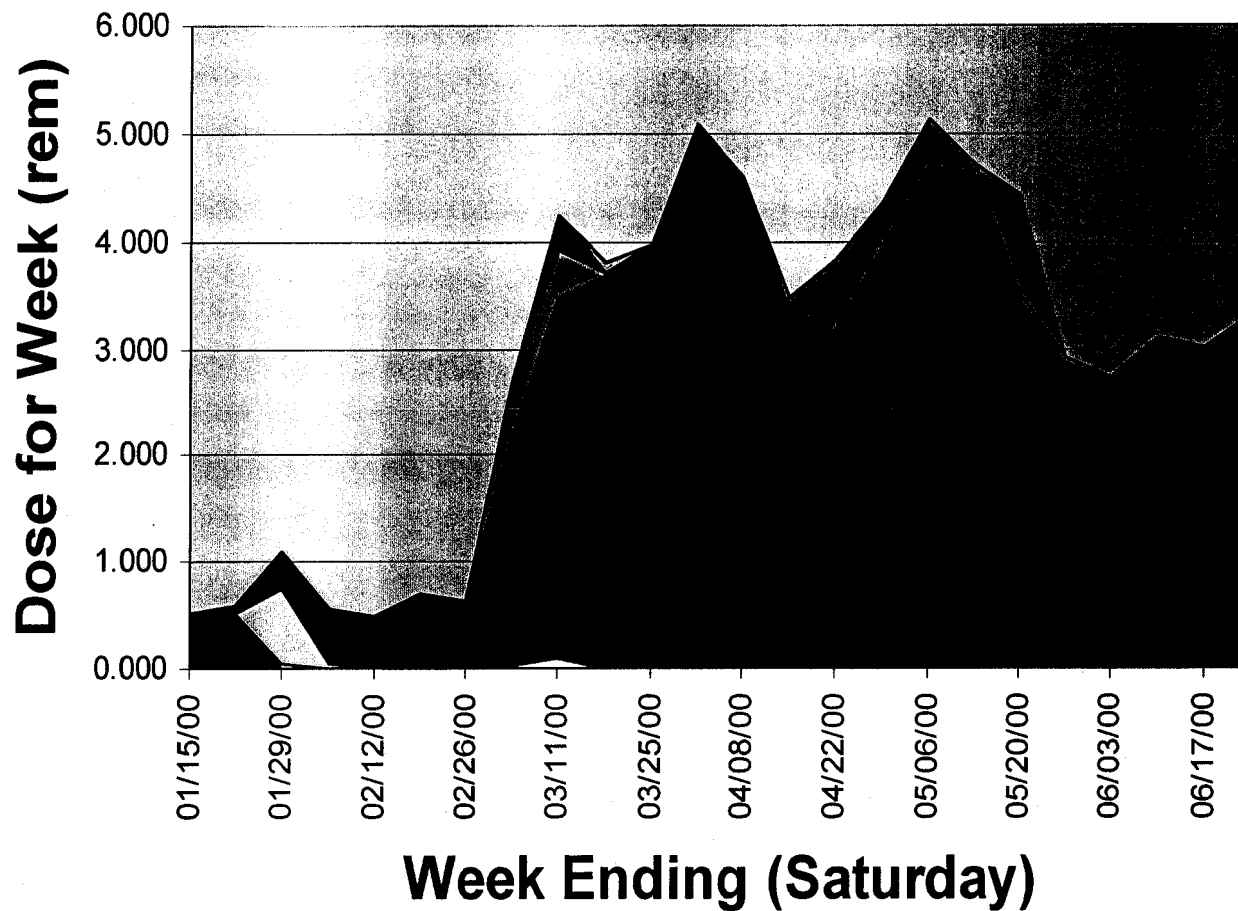
Reactor Internals Segmentation

- Challenges
 - Equipment Reliability
 - Fuel Assembly Size (FAS) Canister Loading
- Exposure Reduction Efforts
 - Equipment Enhancements
 - New Bridge
 - Frequent Washdowns
 - Optimized FAS Canister Load Sequence
 - Changed Garnet Size
 - Third Party Reviews
 - Rad Safety Committee Meetings

RV Internals Dose Trend

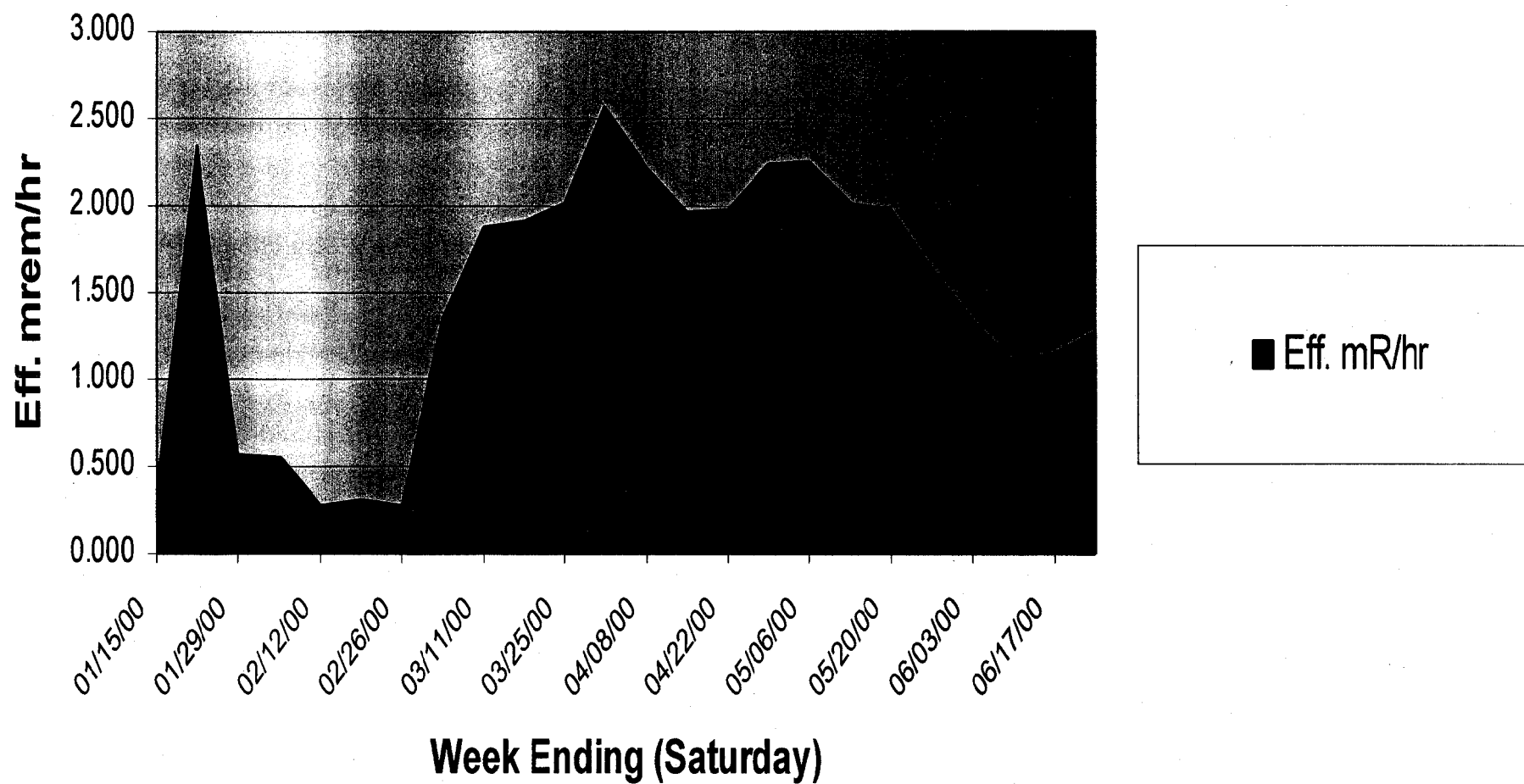


Reactor Segmentation Weekly Dose



- Thimble Insertion
- Modify Filter Skid
- MDM/AWJ Head Work
- Perform Segmentation
- Move Core Barrels, Upper Internals
- Install, Operate Water Processing
- Core Barrel Stand
- Set-up equipment

Reactor Segmentation Weekly Eff. mrem/hr



Decommissioning Update License Termination Plan

- Submit to NRC by June 30, 2000
- LTP Approach
 - Soils and Structures - MARSSIM
 - Non-Structural Components - Regulatory Guide 1.86
 - Phased Release
 - Free Release Standing Structures
 - Concrete Debris Reuse
 - Groundwater
- License Amendment
 - New License Condition for LTP Change Criteria

Yankee Rowe Mission

- Provide Safe Storage of Fuel and Complete Decommissioning in a Safe and Efficient Manner
 - Strive for Excellence in Workplace Safety
 - Ensure Work Activities are Planned and Performed in Accordance with Procedural Requirements and Management Expectations
 - Openly Communicate Project Successes and Areas for Improvement
 - Complete Work on a Reasonable Schedule and in a Cost Effective Manner

Safety Performance

- ~300,000 Safe Work Hours Without an LTA
- No OSHA Recordable Incidents Year to Date
- Radiation Exposure Lower Than Projected

	<u>Original</u>	<u>Projected</u>
Total Dose	744	621
Dose to Date	661	563

Plant Status

- Safe Fuel Pool Operating Conditions Continue
- 1.3 Million Pounds of Low Level Waste Shipped Year to Date
- PCB Issues
- Fuel Oil Tank and Underground Piping Removals Planned

DOC Decision and Transition

- Request For Proposal Issued for YR DOC
- Work Scope Includes All Work Except Spent Fuel Operations
- Discussions in Progress
- Planning for Site Organization Transition in Progress
- Organization will Combine CY & YR Expertise

Dry Fuel Storage Project Status

- Road and Storage Pad Work to Begin in August 2000
- Dry Cask Storage Fabrication Underway
 - First Vertical Concrete Cask Liner Delivery July 2000
 - First Multi-Purpose Canister Delivery October 2000
 - Transfer Cask Delivery November 2000
- Vendor QA Surveillance Program Established for All Off-site Fabrication

Dry Fuel Storage Project Status

- South Decon Room Remediation and Demolition
- Initial Fuel Inspection Campaign Successfully Completed
 - 308 of 533 Assemblies Inspected
 - 10 Assemblies Require Pin Replacement
 - Envelope Gauge Results Acceptable
- NAC Dry Fuel Storage Licensing Changes
 - Technical Specification Changes to Increase Canister Preparation Time
 - Increase Canister Fuel Cell Dimensions

Worker Concerns Program

- Coordinated Programs at CY and YR
- CY Program Implemented Site-Wide
 - CY and Bechtel Programs Aligned
 - Level of Activity Remains Steady
 - CY Continues to Mentor Bechtel Program
- Active Corporate Compliance Committee
- 10 CFR 50.7 Compliance
 - Management Updated Routinely on Industry 50.7 Issues
 - Bechtel Management Trained on 50.7

Public Participation

Connecticut Yankee

CDAC

NRC Public Meetings

Topical Brochures

CY Today

Neighbor Letters

www.connyankee.com

Visitor Center

Plant Tours

NEAC (State Oversight)

REPAC (Repowering)

Yankee Rowe

CAB

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Summary